

OCTOBER - FOUNDATION - ANSWERS

2nd: a) $p = \pm \sqrt{\frac{r+9}{6}}$

b) ± 8

3rd a) 10.569

b) 105.69

c) 39

4th a) $\frac{8}{7}$ (0.142857)

b) i 3.435 ii 3.44

5th a) 28.968

b) 8570.1

6th a) £213.70

b) 1560

7th/8th: a) 124° b) 59°

9th: a) $2\frac{4}{5}$ b) $13\frac{4}{7}$ c) 30

10th 13

11th a) 72 b) -2 c) -6

12th 2156

13th 198 cm^2

14th/15th Roth. 18°
SheffU 120°
Sheff W 16
No Team 11
Man Utd 10 60°

16th 5,7,9,11 or 5,6,10,11

17th. b) -2

18th 64°

19th a) $x > -2$ b) $-4 \leq x < 4$
c) -1, 0, 1, 2, 3

20th Swimming 75 Football 30
Ice Skating 55 bowling 40

21st £284.55

23rd a) 8.94×10^6 b) 0.00912
c) 33 mins

24th. 73.58°

25th. £828.80

26th $x = -2$ $y = 4$

27th 15 sides

28th/29th a) $30 \leq t < 40$
b) $30 \leq t < 40$
c) 33.4375

30th a) $2x^2 - 5x - 12$ b) $8b^3(3a^2b - 2)$
c) $x = -5 \& 2$

31st a) 265.46 cm^2 b) 66.84 cm